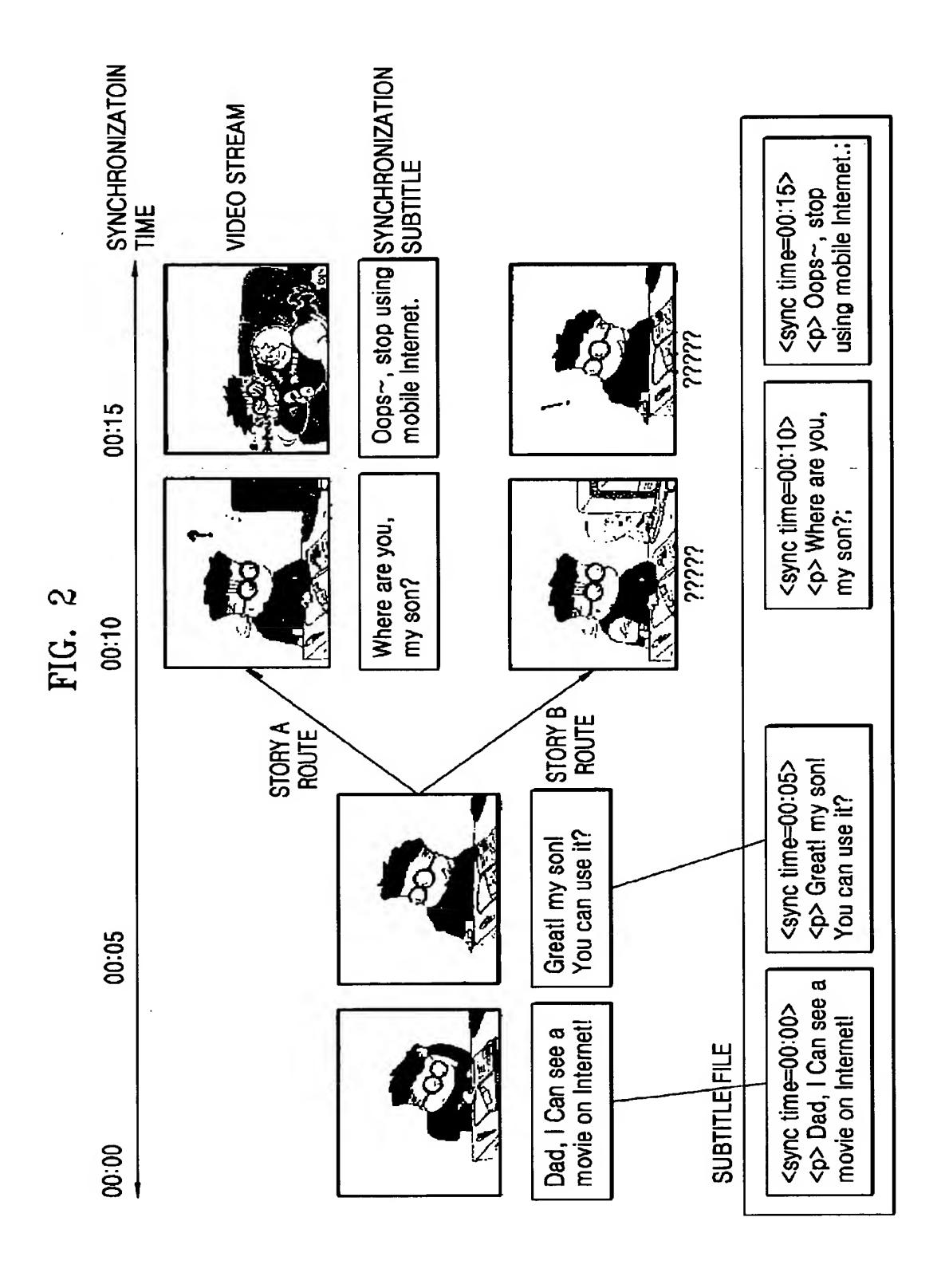


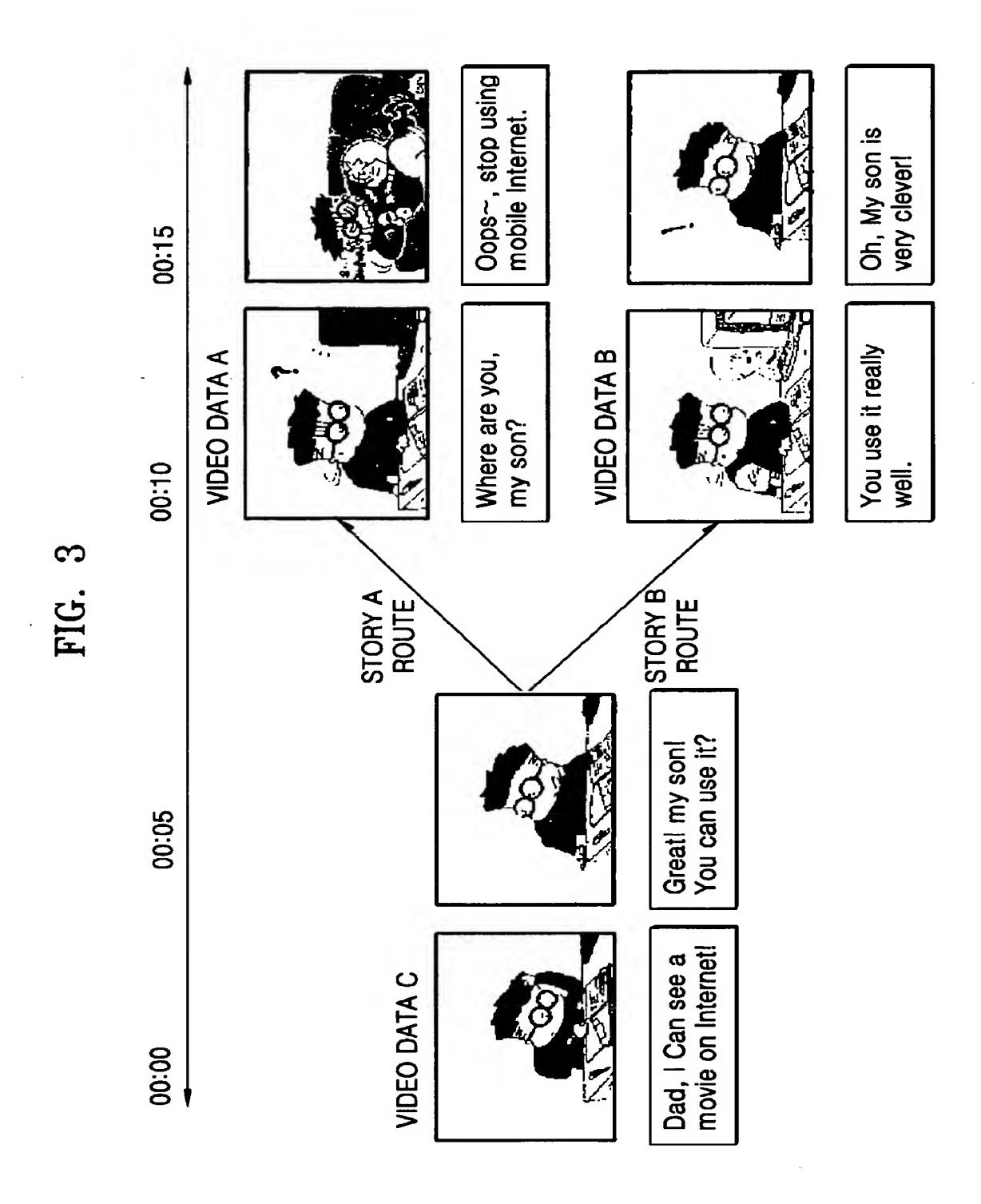
STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157



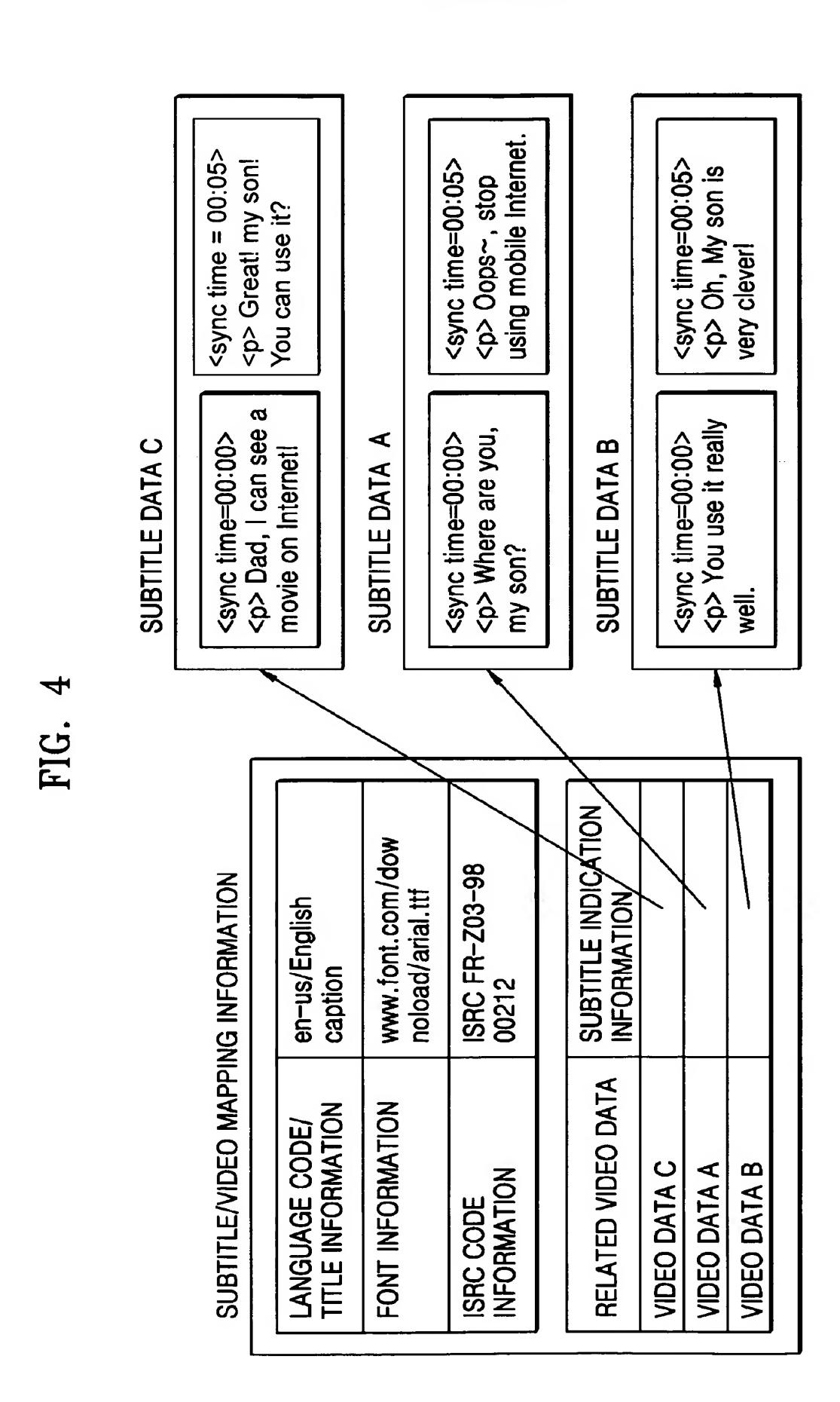
STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

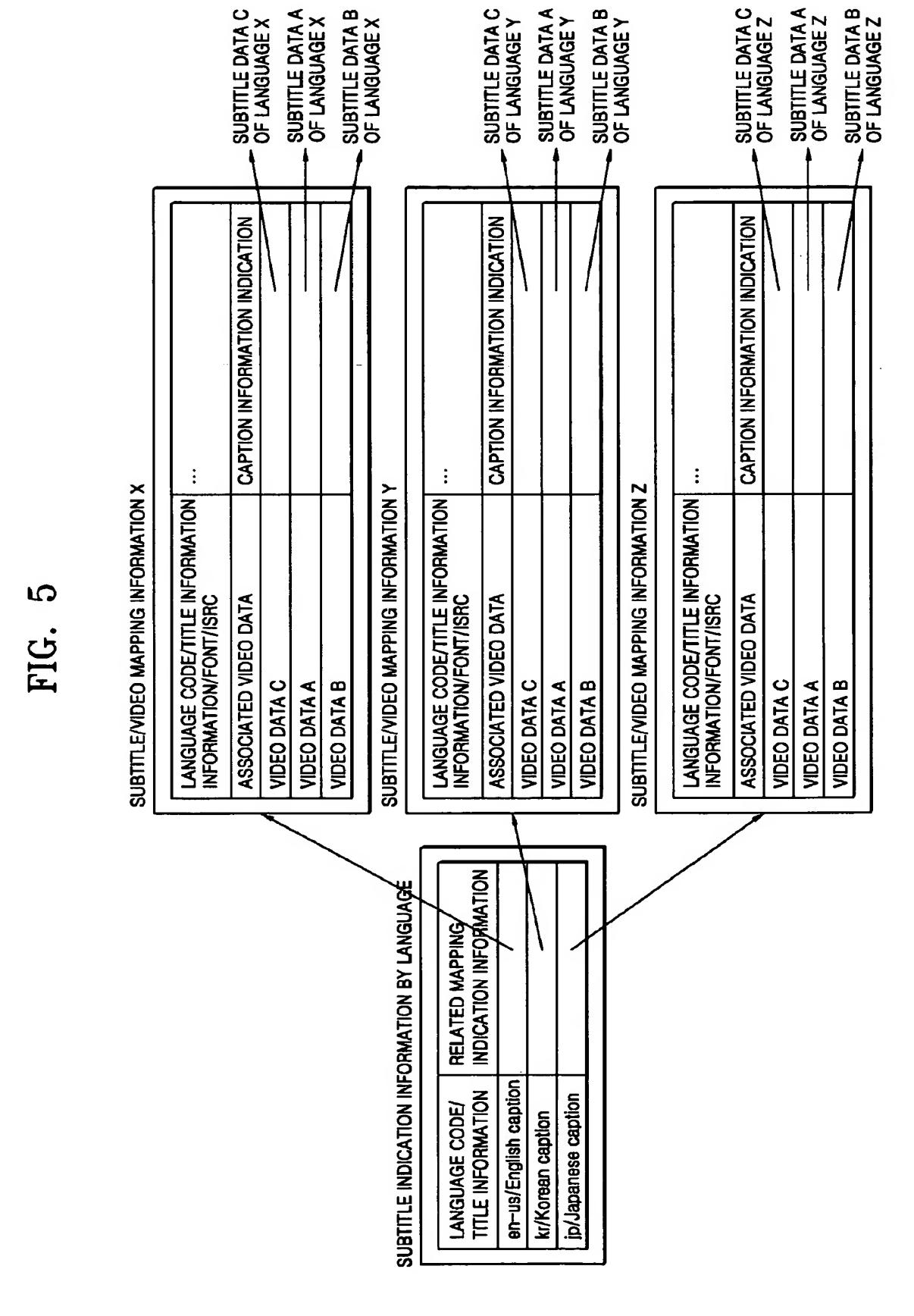


Replacement Sheet

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157



Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

FIG. 6

SUBTITLE DATA

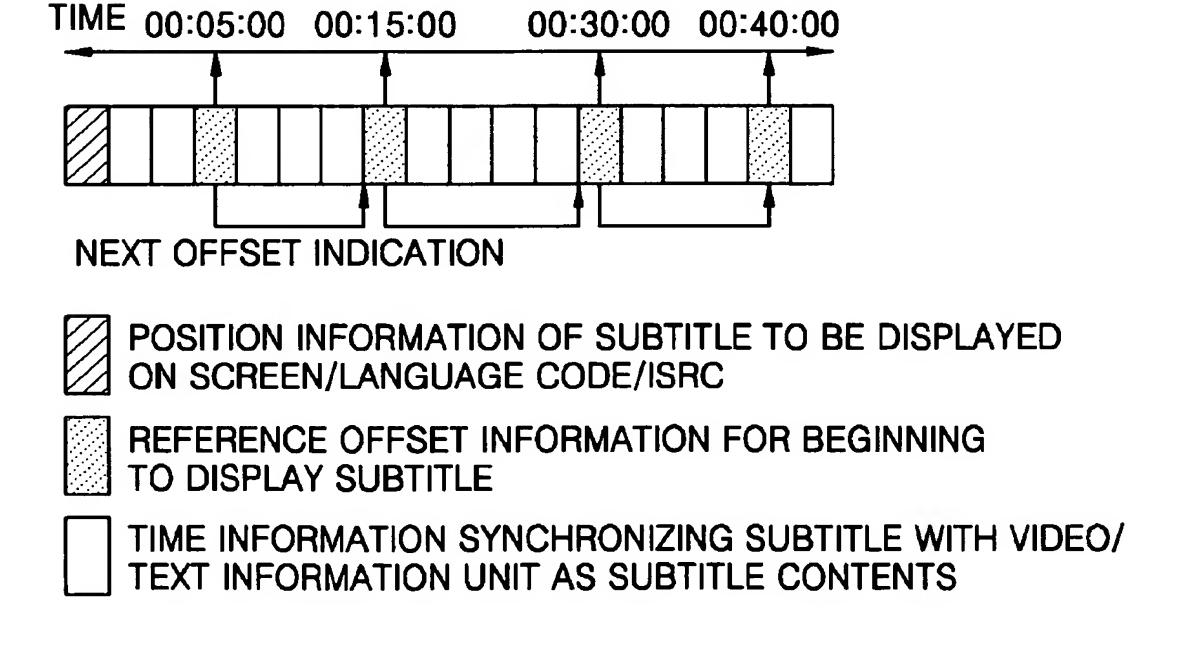
POSITION INFORMATION OF SUBTITLE TO BE DISPLAYED ON SCREEN/LANGUAGE CODE/ISRC

REFERENCE OFFSET INFORMATION FOR RANDOM SEARCH

TIME INFORMATION SYNCHRONIZING SUBTITLE WITH VIDEO

TEXT INFORMATION UNIT AS SUBTITLE CONTENTS

FIG. 7

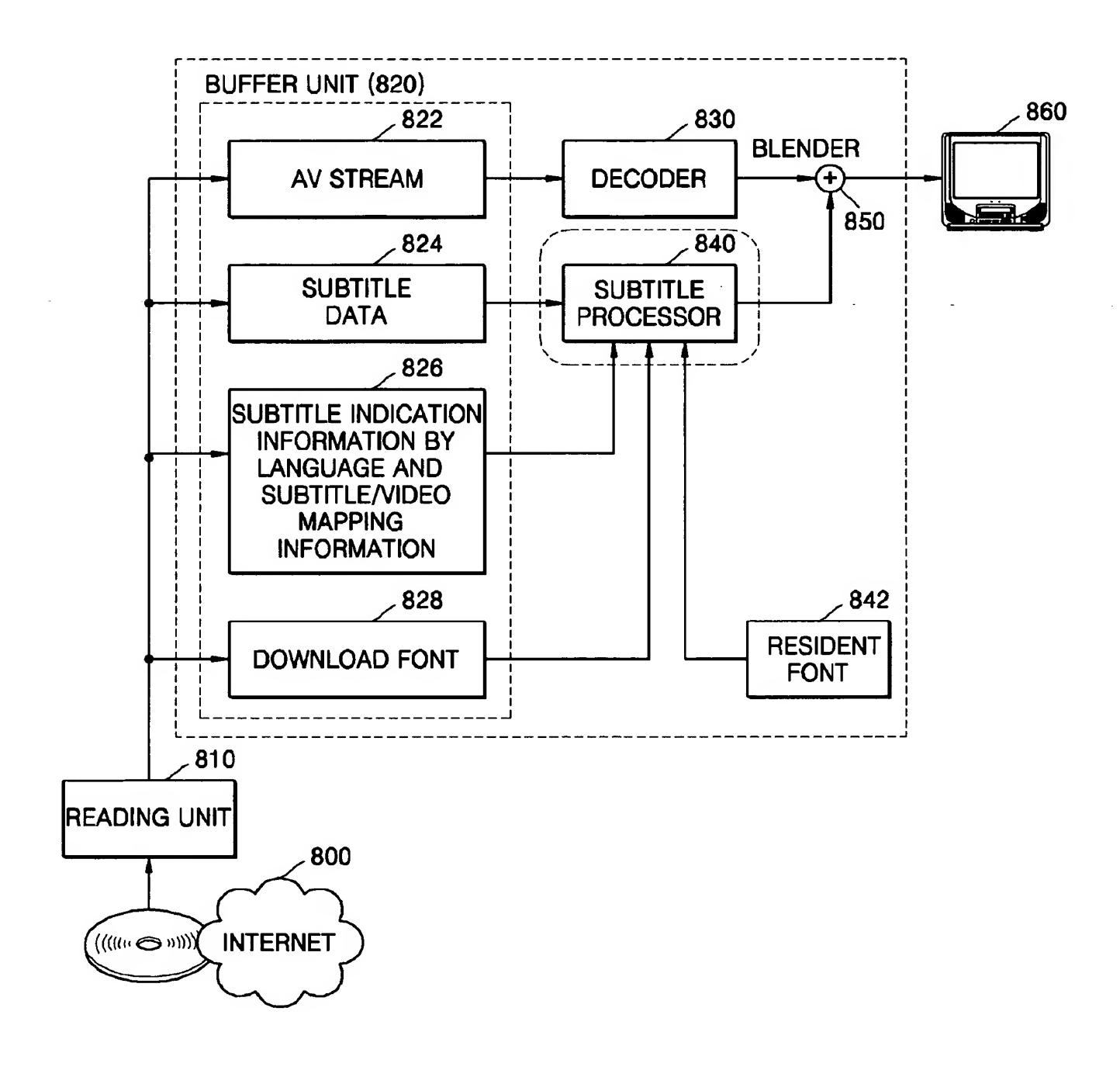


The state of the state of

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

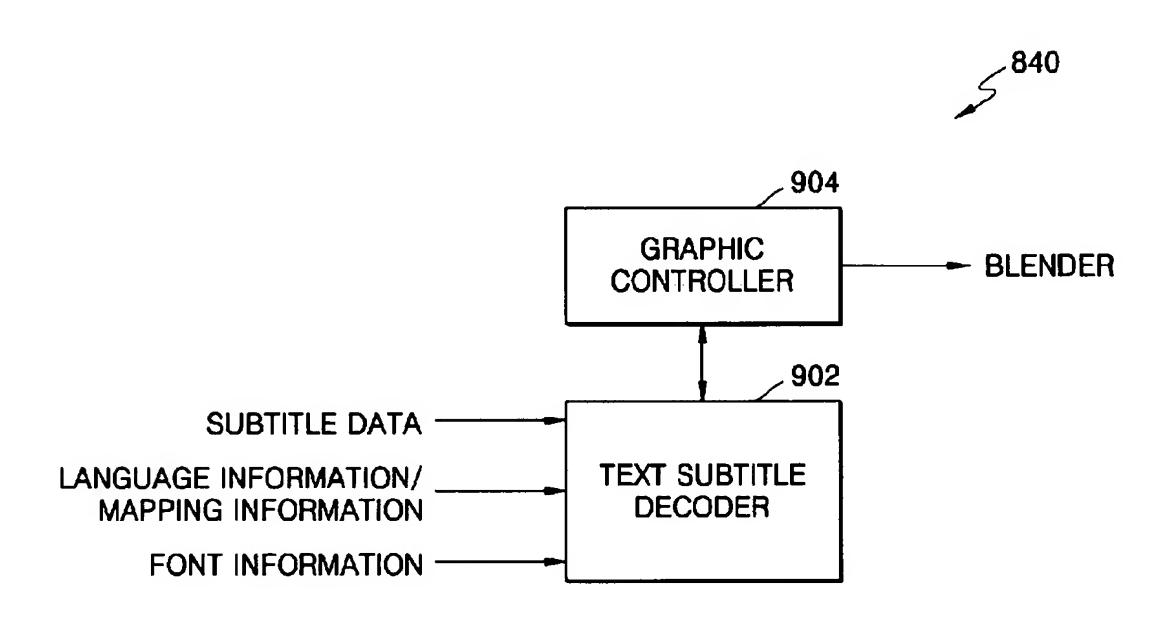
FIG. 8



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

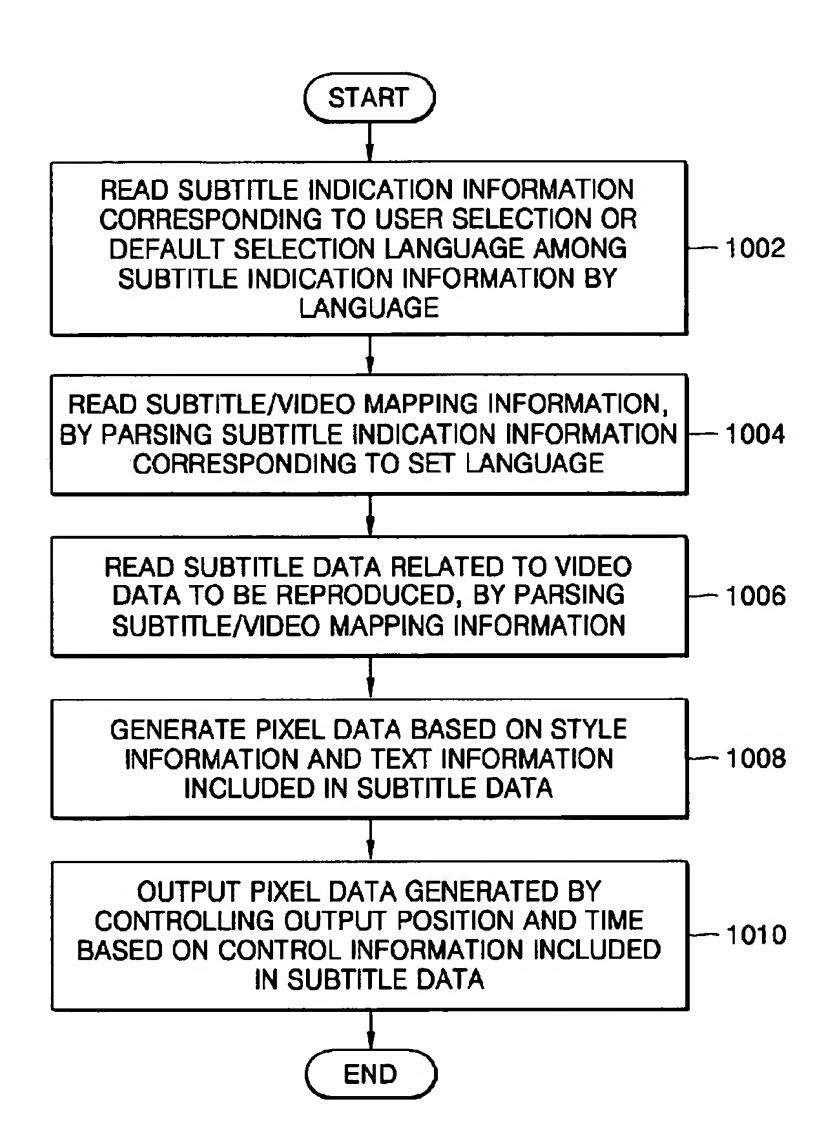
FIG. 9



W WAR W

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

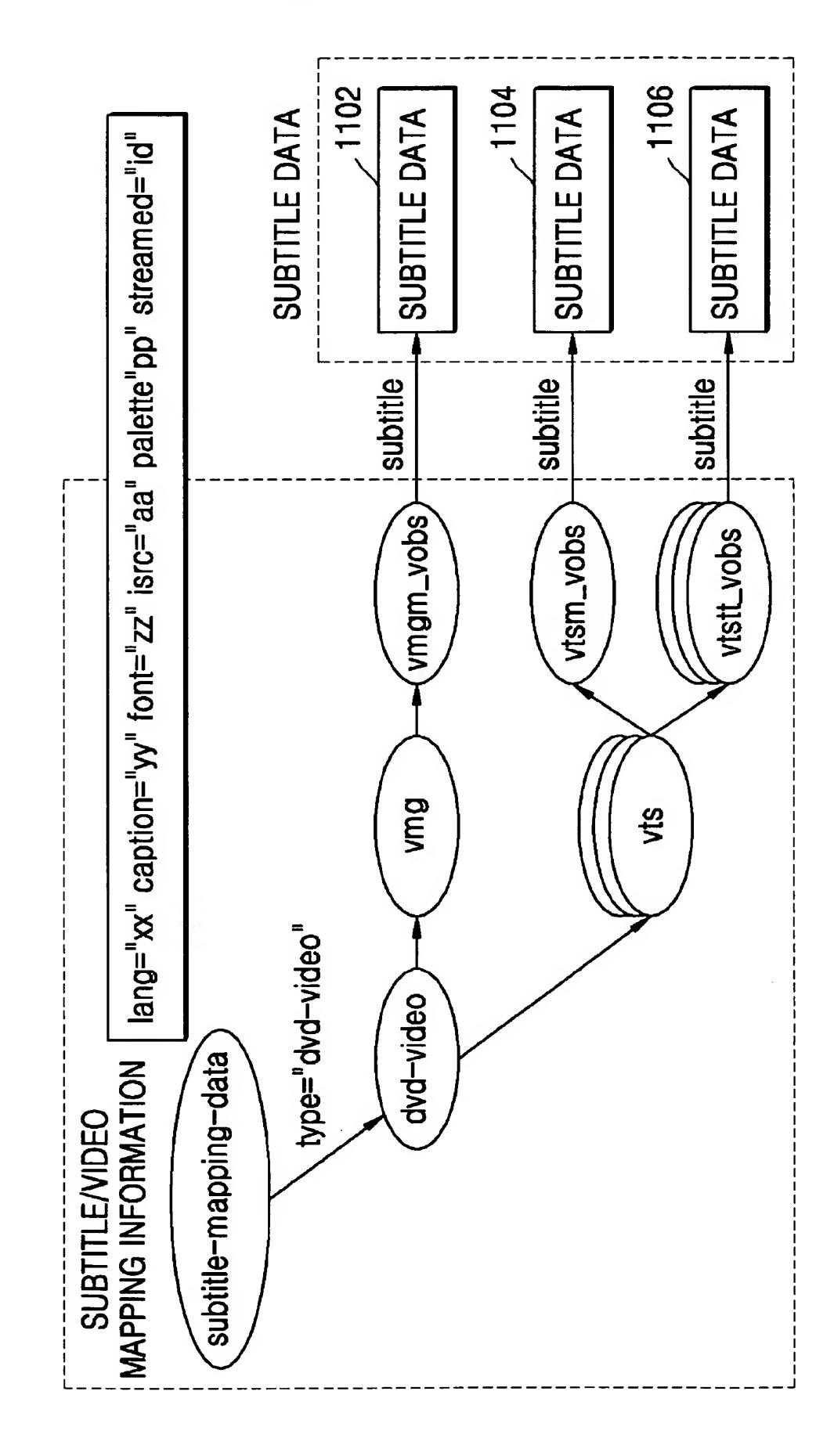


FIG. 1

** _(21) **

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

```
<subtitle-mapping-data type="dvd-video" lang="en-us" caption="English caption"</pre>
font="http://www.font.com/download/arial.ttf"
                                                          ISRC
                                                                   FR-Z03-98-00212"
                                                isrc="
streamid="32">
<odvd-video>
<palette>
        <color Index="0" yuv="298ef0" />
        <color index="1 yuv="108080" />
        <color index="2 yuv="3b8080" />
        <color index="3 yuv="668080" />
        <color index="4 yuv="918080" />
        <color Index="5 yuv="bc8080" />
        <color index="6 yuv="eb8080" />
        <color index="7 yuv="108080" />
        <color index="8 yuv="108080" />
        <color index="9 yuv="108080" />
        <color index="10" yuv="108080" />
        <color index="11" yuv="108080" />
        <color index="12" yuv="108080" />
        <color index="13" yuv="108080" />
        <color index="14" yuv="108080" />
        <color index="15" yuv="108080" />
</palette>
<vmg>
       <vmgm_vobs>
               <subtitle vob_idn="1" href="flle://engish_vmgm.text" /> —— 1202
       </vmgm_vobs>
</vmg>
<vts idn="1">
       <vtsm_vobs>
               <subtitle vob_idn="1" href=" file://english_vtsm.text" /> --- 1204
       </vtsm_vobs>
       <vtstt_vobs>
               <subtitle vob_idn="1-9" href=" file://english_tt1vob1.text" />
                                                                                  1206
               <subtitle vob_idn="10-49" href=" file://english_tt1vob10.text" />
               <subtitle-vob_idn="50-100" href=" file://english_tt1vob50.text" /> _
        </vtstt_vobs>
</vts>
</dvd-video>
</subtitle-mapping-data>
```

PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

					MATION 1302 (t)	MATION 1304	IMATION text)	MATION 7306	MATION).text)
	od/arial.tff)	8-00212)			SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_vmgm.txt)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_vtsm.text)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob1.text)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob10.text)	SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_tt1vob50.text)
ר caption)	http://www.font.com/downlocd/arial.tff)				VOB INDICATION INFORMATION(1)	VOB INDICATION INFORMATION(1)	VOB INDICATION INFORMATION(1-9)	VOB INDICATION INFORMATION(10-49)	VOB INDICATION INFORMATION(50-100)
SUBTITLE TITLE (EXAMPLE. English caption)	FONT INFORMATION (EXAMPLE, ht	ISRC (EXAMPLE, ISRC FR-Z03-98	PALETTE INFORMATION	STREAM ID INFORMATION	VOBS INDICATION INFORMATION (EXAMPLE, VMGM_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSM_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)	VOBS INDICATION INFORMATION (EXAMPLE, VTSTT_VOBS)

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

FIG. 14

SUBTITLE DATA

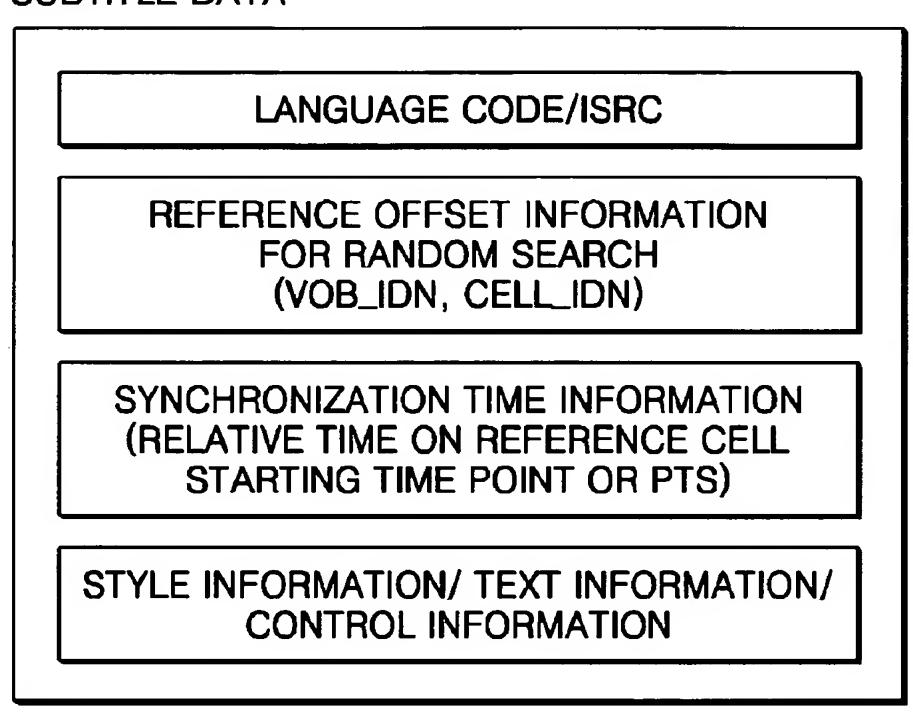
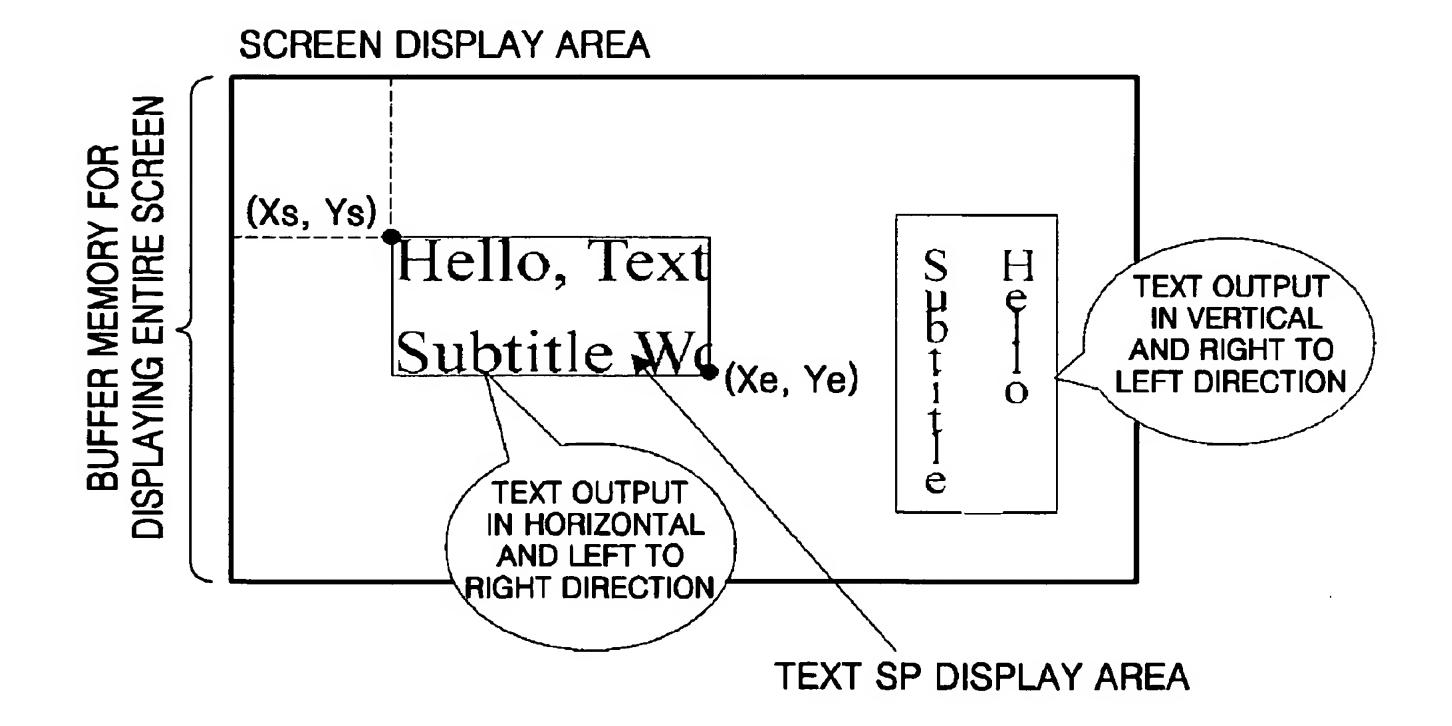


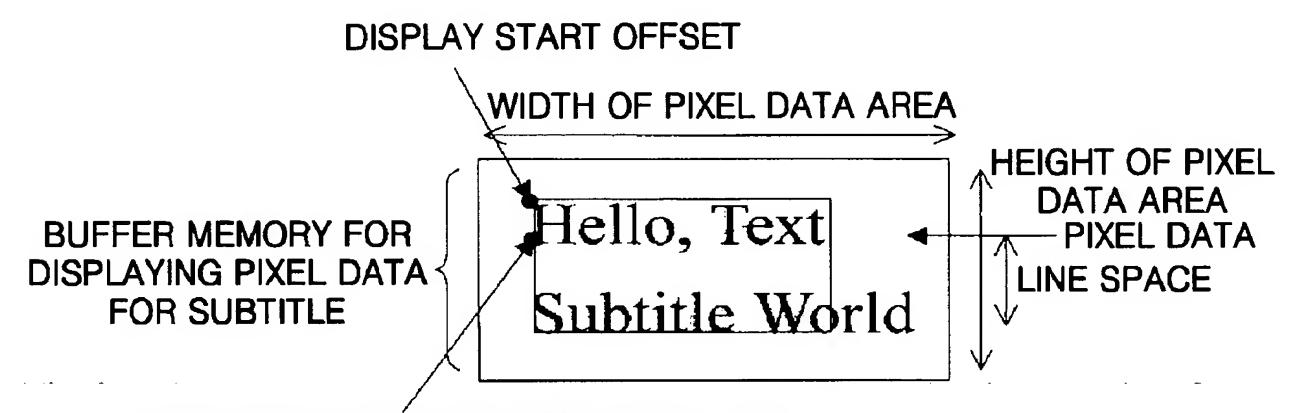
FIG. 15A



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR

Inventors: Hyun-Kwon CHUNG et al. Docket No. 0001.1157

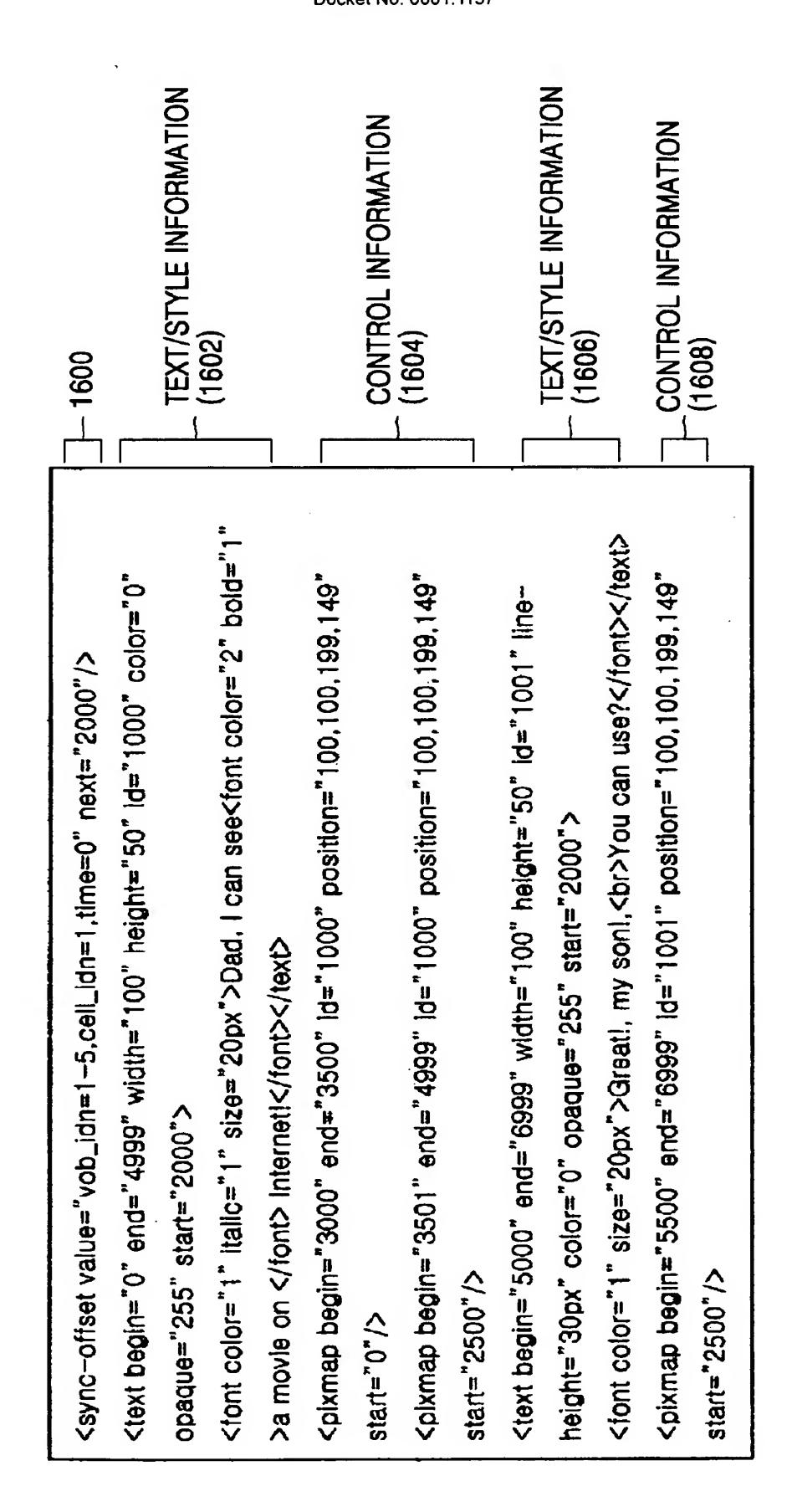
FIG. 15B



STARTING POINT FOR RENDERING TEXT

Inventors: Hyun-Kwon CHUNG et al.
Docket No. 0001.1157

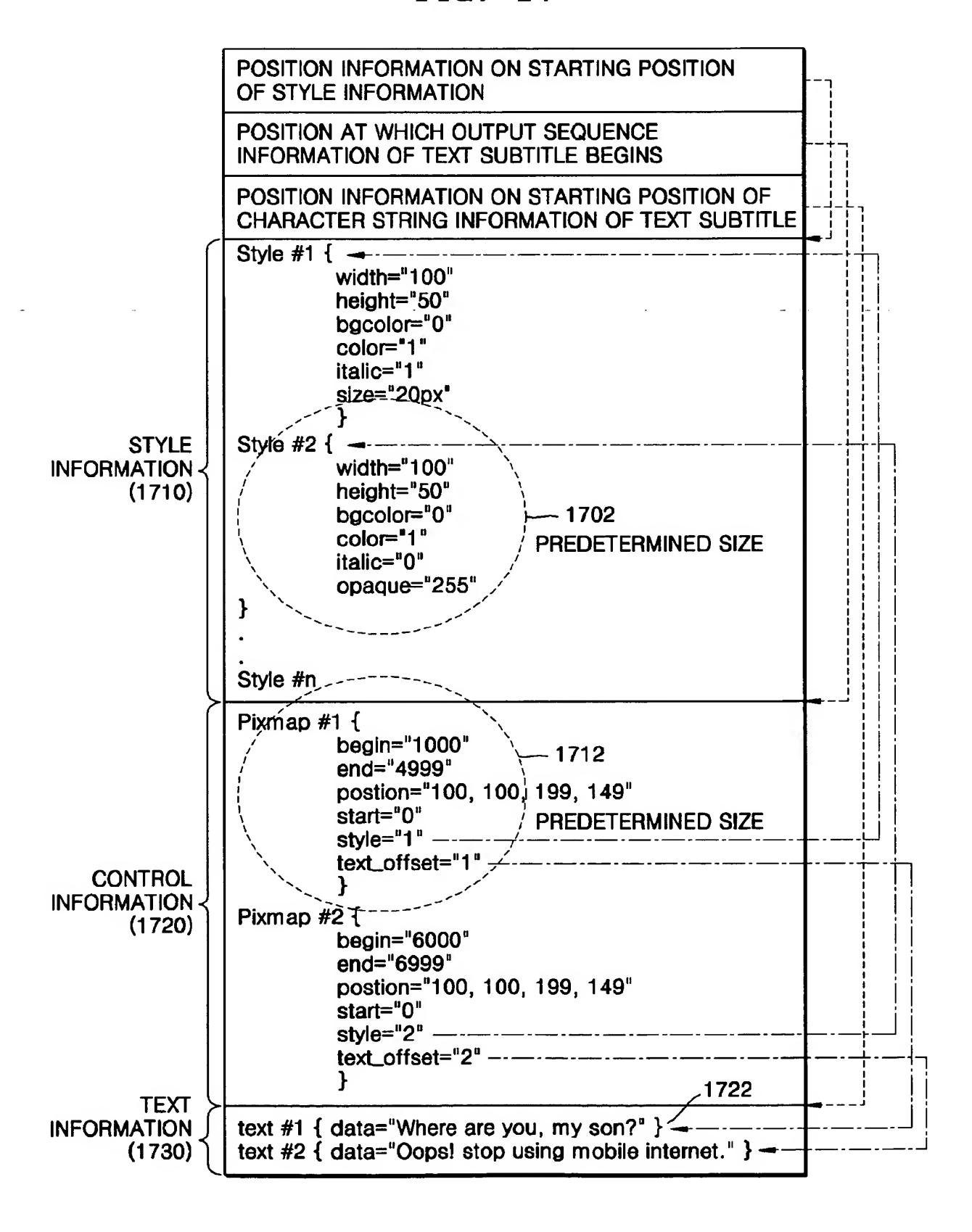




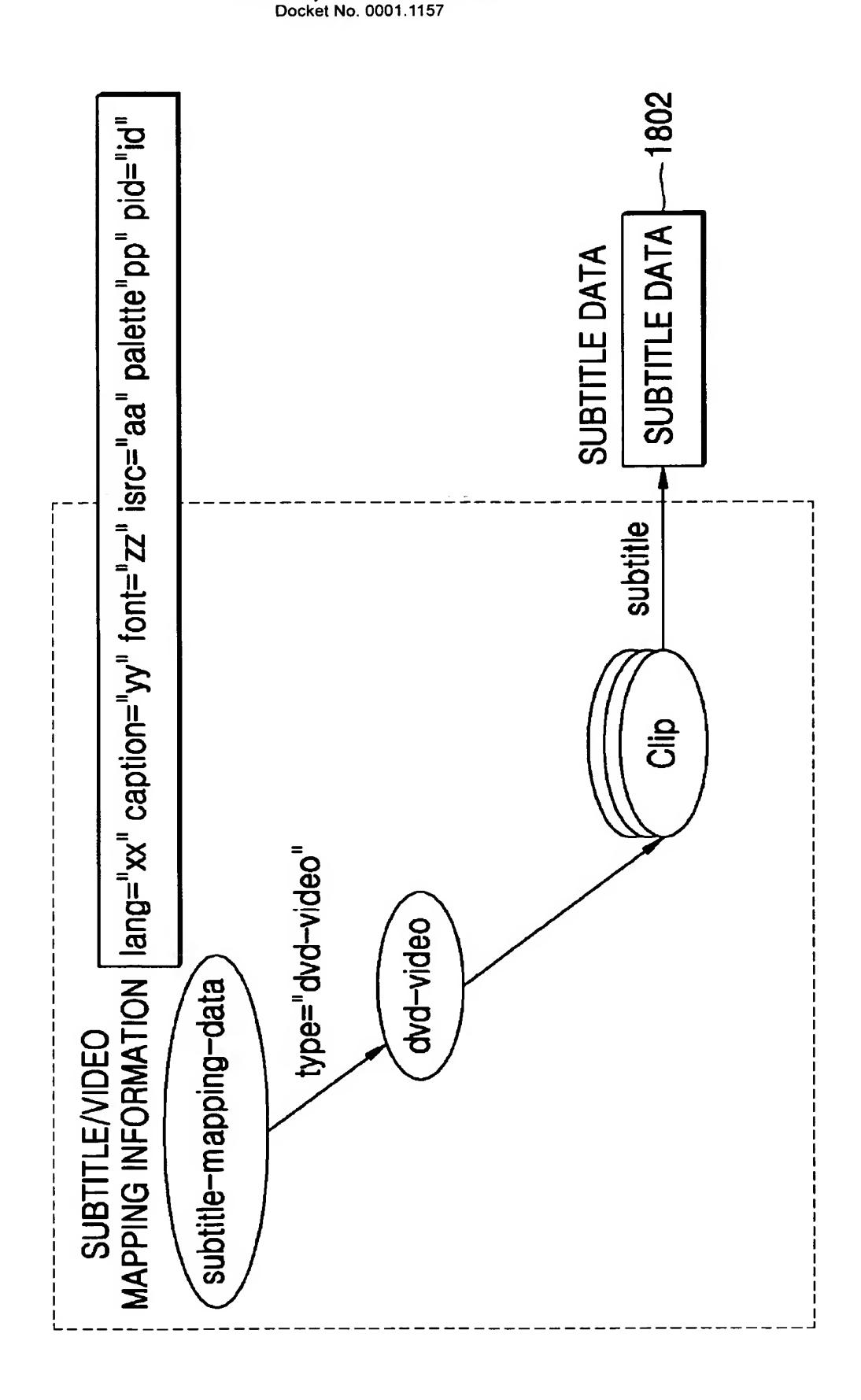
Docket No. 0001.1157

(d) (g)(d) (d

FIG. 17







STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

FIG. 19

<subtitle-mapping-data type="blu-ray-video" lang="en-us" caption="English caption"> <blu>ray-video> font="http://www.font.com/download/arial.ttf" isrc=" ISRC FR-Z03-98-00212" pid="32"> <dvd-video> <subtitle clip_idn="0001.clpi" href="english_0001.text" /> ``) <subtitle clip_idn="0002.clpl" href="english_0002.text" /> > 1902 <subtitle clip_idn="0003.clpl" href="english_0003.text" /> _/ </blu-ray-video> </subtitle-mapping-data>

	_						
LANGUAGE (EXAMPLE, en-us)							
SUBTITLE TITLE (EXAMPLE, English caption)							
FONT INFORMATION (EXAMPLE, http://www.font.com/downlocd/arial.tff)							
ISRC (EXAMPLE에, ISRC FR-Z03-98-00212)							
PID INFORMATION							
SUBTITLE DATA POSITION INFORMATION]						
(EXAMPLE, file://english_001.text)	lish_001.text)						
SUBTITLE DATA POSITION INFORMATION		≻ 2002 ≻					
(EXAMPLE,file://english_002.text)		2002					
SUBTITLE DATA POSITION INFORMATION							
(EXAMPLE, file://english_003.text)]]						
	http://www.font.com/downlocd/arial.tff) -98-00212) SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_001.text) SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_002.text) SUBTITLE DATA POSITION INFORMATION	http://www.font.com/downlocd/arial.tff) -98-00212) SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_001.text) SUBTITLE DATA POSITION INFORMATION (EXAMPLE, file://english_002.text) SUBTITLE DATA POSITION INFORMATION					

STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

FIG. 21

SUBTITLE DATA

(# (e)...(e)

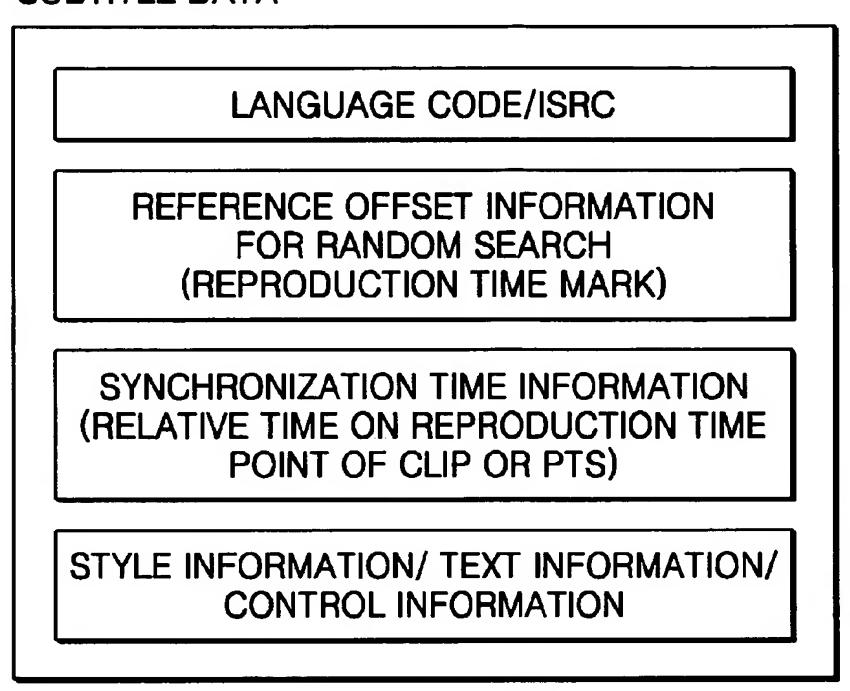
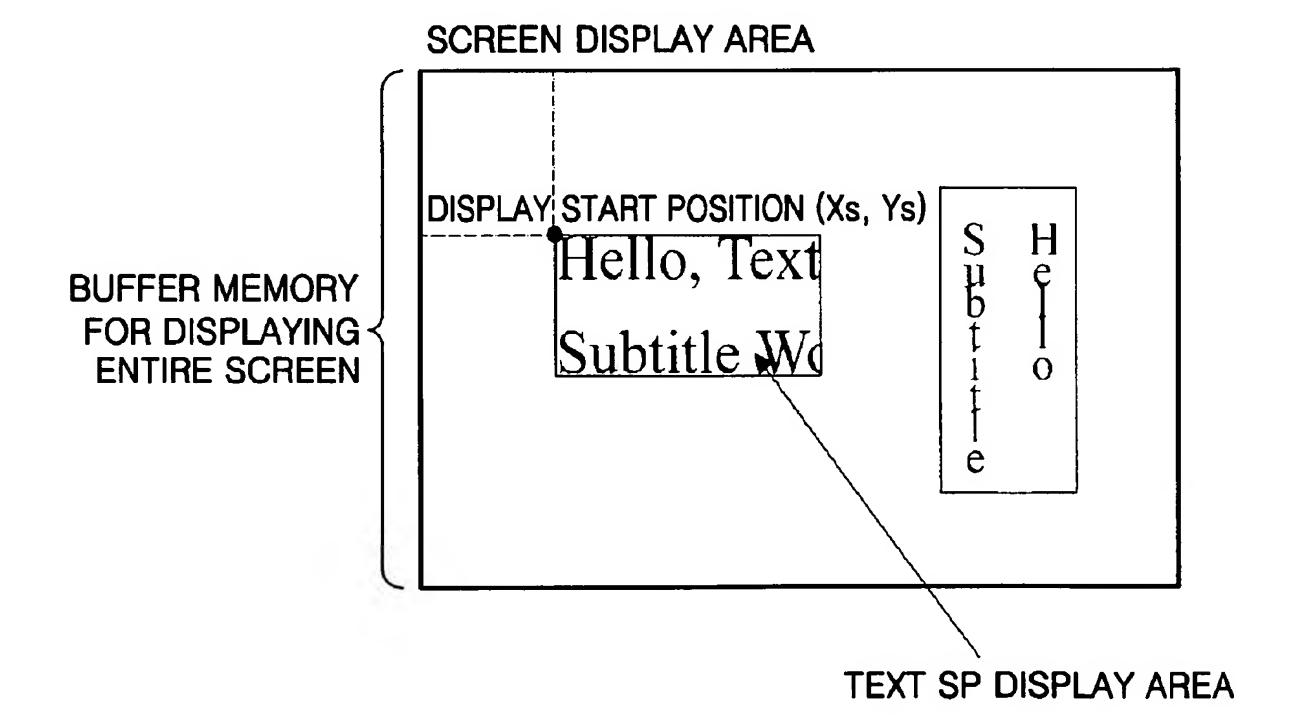


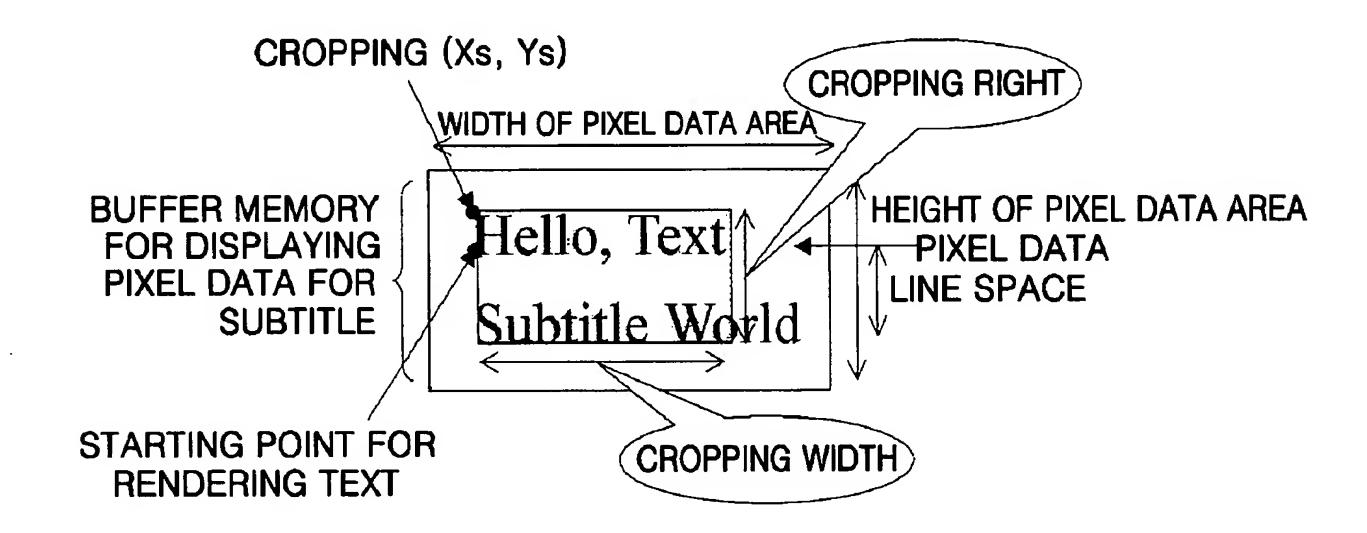
FIG. 22A



STORAGE MEDIUM FOR RECORDING SUBTITLE INFORMATION BASED ON TEXT CORRESPONDING TO AV DATA HAVING MULTIPLE PLAYBACK ROUTES, REPRODUCING APPARATUS AND METHOD THEREFOR Inventors: Hyun-Kwon CHUNG et al.

Docket No. 0001.1157

FIG. 22B



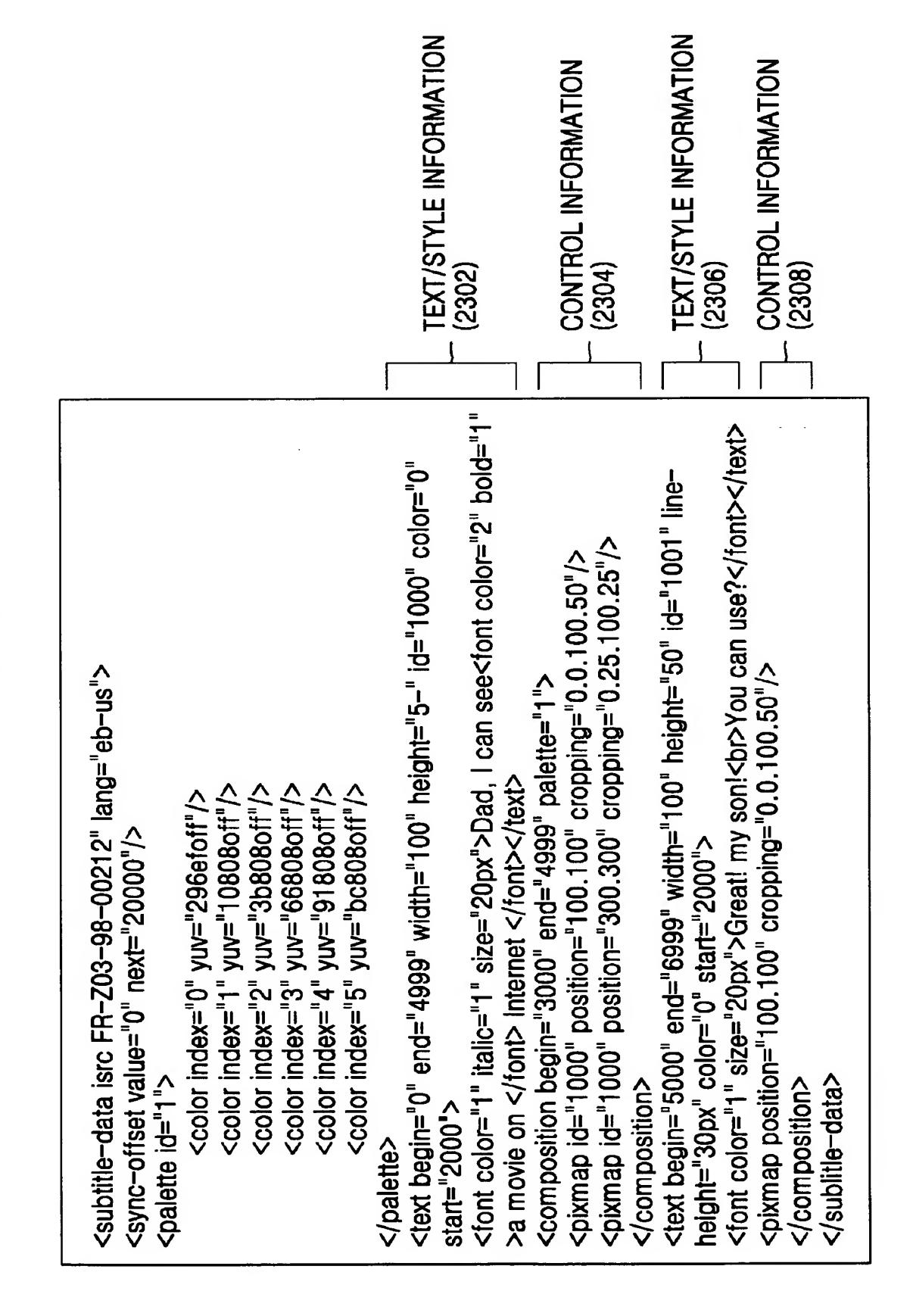


FIG. 24

